

Title (en)

Disconnecter of gas insulated switchgear.

Title (de)

Trenner für gasisolierte Schaltanlage.

Title (fr)

Sectionneur pour appareil de communication à isolation gazeuse.

Publication

EP 0344744 A2 19891206 (EN)

Application

EP 89109831 A 19890531

Priority

JP 13449488 A 19880602

Abstract (en)

The disconnecter includes, in a metallic container filled with an insulated gas, a stationary electrode having a contact, a stationary electrode shield electrically connected to the stationary electrode to surround the contact, the stationary electrode shield made of an electrically resistant material and having a free end portion and inner and outer surfaces, and a movable electrode arranged to face the contact and being movable into to electrical contact with and out of electrical contact with the contact, and in which the stationary electrode shield is arranged to flow discharging current therethrough due to an interelectrode voltage applied between the stationary electrode and the movable electrode. The disconnecter includes an annular metallic electrode (36, 51) coaxially mounted on the free end portion (42) of the stationary electrode shield (30, 44, 50) so as to allow the movable electrode (9) to pass therethrough. The metallic electrode (36, 51) has an exposed surface (36A) exposed to the insulated gas and the exposed surface (36A) of the metallic electrode (36, 51) is adapted to be larger in field strength than the inner and outer surfaces (30A, 30B) of the stationary electrode shield (30, 44, 50) for producing the discharge between the exposed surface (36A) of the metallic electrode (36, 51) and the movable electrode (9).

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IPC 8 full level

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